

2661 # 19 Atty. Docket No.: 30390-802-23-a

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application	tion of: shi Harada et al.)	Group Art Unit:	2661
Serial No.:	09/865,165)	Examiner:	Unknown
Filed:	May 24, 2001)		RECEIVED
For:	RECEIVER, RECEIVING METHOD, AND RECORDING MEDIUM WHICH RECORDS PROGRAM FOR RECEIVING DATA SIGNALS)))		FEB 2 0 2004.

San Diego, California 11 February 2004

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Technology Center 2600

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir or Madam:

Commissioner for Patents

Alexandria, Virginia 22313-1450

P.O. Box 1450

In accordance with 37 C.F.R. § 1.56, Applicants make the below-listed documents of record in the above-identified application. In accordance with 37 C.F.R. § 1.97, this statement is not to be construed as a representation that a search has been made, and is not a representation that the information cited is effective as prior art to the application or is material to patentability.

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail on the date shown bel-	ow
with sufficient postage in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.	

Date of Deposit:

11 February 2004

Signature:

Amy M. Sheridan

Foreign Patent Documents

- 1. European Patent Office Application No. EP 0 998 068 A (Sony Corporation), published 3 May 2000.
- 2. United Kingdom Patent Application No. GB 2 271 916 A (Roke Manor Research), published 27 April 1994.

Other Documents

- 3. Bossert et al., "Channel Estimation and Equalization in Orthogonal Frequency Division Multiplexing Systems", Mobile Kommunikation, Vortrage de ITG-Fachberichte, Berlin, Germany (26 September 1995) vol. 135:485-492.
- 4. Mignone et al., "CD3-0FDM: A New Channel Estimation Method to Improve the Spectrum Efficiency in Digital Terrestrial Television Systems", International Broadcasting Convention XX, (14 September 1995) Conference Publication No. 413, pgs. 122-128.

* * *

Copies of the above-listed documents, which are listed on the accompanying Form PTO/SB/08A (submitted in duplicate), are enclosed.

In accordance with 37 C.F.R. § 1.97(b), this supplemental information disclosure statement shall be fully considered by the U.S. Patent & Trademark Office since Applicant has filed before the mailing of a first Office Action on the merits.

It is respectfully requested that these documents be (1) fully considered by the U.S. Patent and Trademark Office in the examination of the above-identified application; and (2) printed on any patent which may issue on this application. It is also respectfully requested that a copy of Form PTO/SB/08, as considered and initialed by the Examiner, be returned to the undersigned with the next communication in accordance with M.P.E.P. § 609.

It is believed that no fee is required in connection with this submission. In the event that a fee is required, please charge our Deposit Account No. 50-2298, in the name of Luce, Forward, Hamilton & Scripps LLP.

Respectfully submitted,

Mitchell P. Brook

Attorney for Applicant(s)

Reg. No. 32,967

c/o LUCE, FORWARD, HAMILTON

& SCRIPPS

11988 El Camino Real, Ste. 200 San Diego, California 92130 Telephone No.: (858) 720-6300 FEB 1 7 2004

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of 2 Sheet

Complete if Known				
Application Number	09/865,165			
Filing Date	24 May 2001			
First Named Inventor	HARADA			
Art Unit	2661			
Examiner Name	Unknown			
Attorney Docket Number	30390-8			

U.S. PATENT DOCUMENTS							
Examiner Cite Initials No.1		Document Number Number - Kind Code ² (if known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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·	FOREIGN PATENT DOCUMENTS					
Examiner Initials		Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т6
		EP 0 998 068 A	03-05-2000	Sony Corporation		
		GB 2 271 916 A	04-27-1994	Roke Manor Research		ļ
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Examiner	10	Date	
Signature	· C	Considered	

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

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For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary) Sheet No. 2

Complete if Known				
Application Number 09/865,165				
Filing Date	24 May 2001			
First Named Inventor	HARADA			
Group Art Unit	2661			
Examiner Name	Unknown			
Attorney Docket Number 30390-8				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²			
		Bossert et al., "Channel Estimation and Equalization in Orthogonal Frequency Division Multiplexing Systems", Mobile Kommunikation, Vortrage de ITG-Fachberichte, Berlin, Germany (26 September 1995) vol. 135:485-492.				
		Mignone et al., "CD3-0FDM: A New Channel Estimation Method to Improve the Spectrum Efficiency in Digital Terrestrial Television Systems", International Broadcasting Convention XX, (14 September 1995) Conference Publication No. 413, pgs. 122-128.				
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¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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